Delphi Technologies Inc.

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Fresh Ideas Growing



Delphi Technologies, Inc. (DTI) is a wholly owned subsidiary of Delphi Corporation. Our mission is to create, manage, protect, and leverage Delphi's 7,000 patents.

The DTI Commercialization and Licensing team:

- Collects, reviews and prioritizes Delphi's rich technology portfolio based on Intellectual Property strength, marketability, and business opportunities
- Actively seeks licensing opportunities
- Establishes government funding from appropriate agencies to continue R & D and demonstrate prototypes
- Supports legal in pursuit of assertion protection when our IP rights are compromised
- Forms new ventures to extract value from our most disruptive technologies, often with the assistance of strategic partners
- Establishes incubators to validate and enhance business propositions for promising technologies
- Donates rights to selected intellectual properties which may be valuable to others, but no longer fit Delphi's Technology strategy portfolio

Delphi Technologies is composed of three groups:

- DTI Commercialization & Licensing: Responsible for leveraging and generating revenue from Delphi's Intellectual Property.
- Delphi Research Labs: Dedicated engineers and scientists committed to developing automotive and non-automotive-applications.
- Intellectual Property Legal Staff

Expertise

DTI's expertise is as broad as it is deep. Our knowledge base covers a range of involvement in diverse areas, including:

- Licensing Automotive, Military, Aerospace,
 Biotechnology, University and Industry
- Technology Valuation and Market Assessment
- Venture Capital Transactions
- Start Up Launches with Delphi as either a majority or a minority partner
- Leveraging of government funding

Licensing

DTI's record of licensing and commercialization successes results from our diversified Intellectual Property portfolio. Some of the technologies currently being licensed:

- Compass Calibration Algorithms
- Horizontal Modeling & Digital Process Design
- Heads-Up Display
- Rollover Sensing Algorithms
- Torch Jet Ignition Technology
- Thermal Management Components
- Airbag Technologies
- Tire Pressure Monitoring Systems
- Liquid Accumulators

About Delphi

Headquartered in Troy, Michigan, Delphi is a world leader in the supply of mobile electronics, automotive components, integrated systems and modules. In 2005, Delphi had sales of \$26.9 billion and has 177,000 employees in 42 countries.

Delphi's technology portfolio goes beyond automotive expertise. We provide technological solutions for aerospace, defense, telecommunications, transportation, computers and peripherals, and the commercial vehicle industries.

Delphi Technologies Inc.

Technology Firepower

Delphi Technologies is able to leverage Delphi's technology resources, which consist of 16,000 engineers, 34 technical centers worldwide and an R&D budget of approximately \$2 billion. Delphi has been ranked #1 by MIT in technological strength two years in a row. Delphi Technologies is actively seeking strategic partners to join in the commercialization of our most promising technologies. As a partner or licensee, Delphi will provide rights to the intellectual property, patented engineering, and R&D support on a case-by-case basis.

We are currently in various stages of discussions with potential partners on many Delphi technologies. These include:

- Deformation Resistance Welding
- Smart Antennas
- Infrared Detection Sensors
- Proprietary alloys and materials
- Overmold for printed circuit boards
- Kinetic Spray
- Oil Quality Sensor
- 3D Packaging

As DTI pursues opportunities to license and commercialize Delphi's Intellectual Property portfolio, we have created a unique strategy to enable spinouts run by entrepreneurs and venture capitalists. This strategy involves, when warranted, creating both external and internal "Incubators" to pull together a technology team, create alpha customers and validate value propositions for high value markets. This precommercialization work helps attract the right partners to pursue a stronger path to market, thus reducing technology and market risk.

Spinout

Launch spin-out companies based on disruptive technologies. The first, SpaceForm, is commercializing a revolutionary metal welding technology, which may impact the design and manufacture of vehicle space frames and components. SpaceForm was recently awarded the Michigan Technology Leaders' Award for Corporate Partnerships and is part of a multi year, multimillion dollar NASA grant under the Man to the Moon and Man to Mars expeditionary missions.

Validation

Our business model has led us to noteworthy successes validating our technologies, which serve as the linchpin for our partnerships:

- Horizontal Modeling-Digital Process Design: licensing agreement with CADPO and other VARs to operate as the provider of vendorneutral e-Learning, training and engineering services
- Heat Exchanger Consortium: collaborative effort with 10 companies to beta test new welding technology

DTI Intellectual Property Domains

Engineered Materials

Delphi has developed an extensive array of material and processing technologies through the manufacturing of automotive components and systems. ■ Ceramics ■ Fluids ■ Coatings ■ Polymers ■ Composites

Sensors & Actuators

Delphi is a leader in the development and design of automotive and non-automotive sensors. ■ Chemical ■ Mechanical ■ Micro Electronic Mechanical Systems (MEMS) ■ Optical ■ Thermal

Mechatronics & Control Systems

Delphi's leadership in engine management has resulted in expertise in developing highly reliable and robust mechanical systems as well as the electronics that control them. ■ Smart Connectors ■ Unified Chassis Control ■ Motors/Actuators ■ Latching Relays/Solenoids ■ Engine Management Systems

Communications & Wireless

Delphi communications technologies are platforms for the multimedia applications of tomorrow - allowing our customers to offer new levels of productivity, convenience and entertainment.

Antenna Systems Navigation Human Machine Interface Fiber Optics Smart Connectors

Lighting & Displays

Delphi's fighting and displays technologies employ the state-ofthe-art in LEDs, fiber optics, LCD, holograms, etc., to create unique user environments and increase functionality of human-machine interfaces. ■ Fiber Optics ■ LCD Displays ■ Edge lighting

Manufacturing Processes & Logistics

By concentrating on total manufacturing costs, Delphi's advanced processes reduce the number of parts, fasteners and materials, while optimizing labor, part orientation and material handling.

Assemblies Machine Vision Machining Tooling

Electronics & MEMS

Delphi is a world leader in the production of automotive wiring harnesses and connectors for electrical power and signal distribution. ■ Controllers ■ Flip Chips ■ Logic Circuits ■ Power Supply & Energy Storage ■ MEMS

Safety & Security

Delphi probably knows occupant protection better than anyone. Its history dates back to 1956 with the industry's first padded instrument panel and first production air bag in 1973. ■ Secure Architecture ■ Occupant Detection Systems ■ Anti-Theft Sensors

Software & Databases

Delphi develops software tools, algorithms and methodologies to support the design of automotive components and systems. Many have application outside the automotive industry. Simulators CAE, CAD and CAM Controls System Engineering

Energy & Environmental Systems

Delphi takes an aggressive role in protecting the environment by developing technologies that reduce emissions, increase fuel economy, reduce mass and enhance product recyclability.

Recycling Vehicle Emissions

More Information

To learn more about Delphi Technologies, Inc. or any aspect of our operation, please call Jayson D. Pankin, New Venture Creation Specialist, at (248) 813-8068, email at Jayson.pankin@delphi.com, or visit our website at www.delphi.com/dti.





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Tuesday, February

News

Delphi, MSU to launch company; supp may also work with WSU

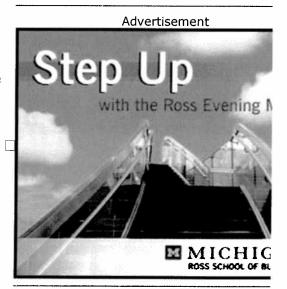
By Tom Henderson

6:00 am, January 8, 2007

CRAIN'S DETROIT BUSINESS

Delphi Technologies Inc., a wholly owned subsidiary of Delphi Corp. that aims to develop nonautomotive revenue for the troubled parts supplier, is partnering with Michigan State University to launch its second stand-alone company, Smart Antenna Inc., in the first quarter this year.

Another company, in partnership with researchers at **Wayne State University**'s Smart Sensors and Integrated Microsystems laboratory, could be launched by year-end. That firm, which has yet to be named, would make cheaper lenses for infrared cameras.



A marketing feasibility study that supported commercialization of the lens wa conducted during the just-concluded fall semester by a class taught at the **University of Michigan** by David Brophy, an associate professor of finance director of the business school's **Center for Venture Capital and Private E**

DTI's mission is to determine which of Troy-based Delphi's 6,000 patents she licensed to companies in noncompeting fields, or to form joint ventures wher Delphi holds a minority interest.

The first company to be spun off by DTI, **SpaceForm Inc.**, has been at **TechTown**, the **Wayne State University**-affiliated tech incubator, since las

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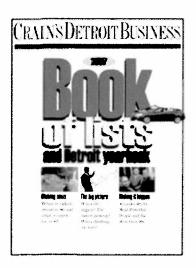
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September. Funded by DTI, \$100,000 in seed money from Troy-based **Automation Alley**, an \$87,000 grant from WSU and more than \$3 million in grants from **NASA**'s Man on the Moon and Man to Mars projects, SpaceForm' technology allows metals of different thicknesses and grades to be welded to and for hollow tubes to be joined to each other or to other solids or sheets of metal.

Its most recent NASA grant, of \$950,000, was announced Dec. 27.

Jayson Pankin, the new-venture creation specialist at DTI, says the wide rang collaborators and financial support is part of the business model for DTI to le resources outside the company to push commercialization. The model also ca DTI to have minority ownership in the spinoffs.

According to Mary McCahon, Delphi's manager of media relations for medical markets and racing, the company's push to diversify is paying off. She said E recorded about 10 percent of its revenue in 2005, or \$2 billion, from nonautomotive sources. That percentage is an all-time high, she said, but sa couldn't provide revenue figures for previous years.

Those nonautomotive sources include medical, aerospace, military, residential commercial heating and cooling, ATVs, motorcycles and marine. She said the company does not break down revenue by individual new-market segment. If which funnels intellectual property into all of those areas, generates revenue

Asked how the parent company's troubles might have affected DTI, Pankin sa "Delphi Technologies hasn't really been impacted beyond the recognition that a very valuable asset. ... There is a bit more urgency by Delphi to form outsing partnerships."

"If you look at a company's entire asset base, you wouldn't want to let a piec manufacturing equipment sit idle. So why would you want to let your IP sit the idle, when you can license it out to companies you don't compete with?" said Anderson, senior director of Automation Alley.

"Obviously Delphi is having its troubles, now, but at some point it is going to emerge from its troubles and they're going to look at this trove of patents as huge asset. The question is, how to monetize it?" said Terry Cross, entreprer in-residence in the school of business administration at WSU, who helped SpaceForm get its grant, which came in the form of an Adams Fellow, Alain F a marketing specialist who was first on loan to the company and later becam employee.

A second Adams Fellow, Antonio Luck, was named earlier this month to help with both the smart antenna and infrared lens projects.

The smart antenna uses sensors to monitor wireless signals to constantly character way an antenna grid embedded in a device like a cell phone or laptop routhose signals through the grid.

According to Pankin, the first application would be in laptops. An antenna grid about the size of the screen would sit right behind the screen, improving the the laptop receives a Wi-Fi signal.

"You won't have to keep turning your laptop to find the signal," he said.

Research at MSU could lead to miniaturizing the grid and allow it to be used eventually in smaller devices.

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Anderson said Automation Alley hasn't yet been asked for seed funding for the smart antenna, "but that's the position we're moving toward."

Tom Henderson: (313) 446-0337, thenderson@crain.com

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Contact: Mark Gilman 248-789-8057

SpaceForm Named Winner of 2006 Michigan Corporate Partnership Award

Delphi Spin-off SpaceForm was Chosen by Aricus International and Michigan Corporate Partnership Council for its Commitment to Developing Collaboration among Michigan Companies

ROCHESTER, Mich. – May 18, 2006 – Michigan Technology Leaders 2006, a premier, two day event of unsurpassed collaboration and dedication among Michigan IT leaders, and Aricus International presented SpaceForm, a spin-off company of Delphi Technologies, Inc. (DTI), the symposium's highest honor, the 2006 Michigan Corporate Partnership Award (MCPA) at a ceremony held May 17th at the Royal Park Hotel. The Michigan Corporate Partnership Award Council was created in 2005 to identify, create, support, and honor impacting partnerships between Michigan companies and local individuals or groups benefiting the technology community.

"SpaceForm is the prototype for the MCPA in its awareness of how to focus on collaboration in the state with organizations and institutions like Wayne State University, NASA and Automation Alley," said Tracy-Ann Palmer, president and co-founder of Aricus International, who created the award. "All the nominees for the MCPA had made great strides to work and partner with Michigan based companies, but SpaceForm was in a class by itself in the way it developed partnerships, but how it discovered solutions."

SpaceForm is a DTI spin-off company focused on the commercialization of Delphi's patented Deformation Resistance Welding (DRW) technology. The technology was created by Dr. Anthony Ananthanarayanan, Delphi's Welding Fellow. NASA and the Michigan Research Institute (MRI) became interested in the technology and a multi-year, multi-million dollar research project under NASA's Man on the Moon and Man to Mars space exploration projects. The collaboration continues today with a created business opportunity lead by DTI, Automation Alley, the Michigan Economic Development Corporation and the formation of SpaceForm, Inc. Delphi serves as a minority shareholder and licensor and the board is chaired by Dr. Thomas Anderson of Automation Alley. Also, TechTown, Delphi Corporation, the MEDC, MRI, University of

Michigan, The Community Fund of SE Michigan/Adams Fund, the Edison Welding Institute (EWI) and Wayne State University are involved.

"The synergy from our partners extends beyond the financial and managerial contributions as we've been able to take advantage of a very extensive and established network of contacts which can be coordinated to accelerate into the marketplace a novel technology looking for early adopters," said Jayson Pankin, Delphi's new venture creation specialist.. "We are obviously extremely honored to be recognized as the 2006 MCPA winner so early in the development of SpaceForm."

The MCPA was presented to Pankin on behalf of his work in organizing and developing SpaceForm, Inc. at a special, private reception held during the Michigan Technology Leaders 2006 event at the Royal Park Hotel.

For more information about MCPA award winner SpaceForm, Inc., visit www.spaceformtech.com.

The Michigan Technology Leaders 2006 event is a non-political, cross-industry sponsored, annual event providing a platform to celebrate the achievements of our IT community. The innovation began in the format of this exclusive event, where a limited number of attendees were admitted to an informal, neutral conference environment specifically designed to conduct business and networking in which companies need to share their innovation, talent and business acumen with the state's leading technology leaders.

About Aricus International

Aricus International LLC, a global consulting firm, aims to introduce local business to international markets. With an extensive global network of contacts and connectivity, Aricus has the capability to rapidly enhance commercial expansion. Dedicated to the belief that the entire world is digitally connected, Aricus facilitates corporate partnerships dedicated to innovation while enhancing the bottom line. Committed to global excellence, Aricus facilitates these partnerships on an international level, broadening the scope and widening the view for companies seeking dramatic change. With knowledgeable sales and marketing personnel, a talented web and graphic design division, fully developed IP/IT resources, a well-balanced event production staff and world class connections, Aricus has the means to promote entrepreneurial spirit and leverage in a world without borders. Aricus International maintains singular focus...the promotion of strong, globally established companies.

Firm to develop welding method

> By JASON ROBERSON PRET PRESS BUSINESS WRITER

NASA and the Michigan Research Institute are to announce this week that they are giving Delphi Corp. nearly \$1 million to develop an advanced welding process that promises to be less expensive and more effective at welding dissimilarshaped materials.

NASA will use what it learns from Delphi's deformation resistance welding procedure in developing spacecraft and terrestrial vehicles.

Deformation resistance welding is unique because it enables welding different materials and shapes for less money than conventional welding methods.

The \$950,000 grant underscores Delphi as a tale of two companies: While Delphi's traditional car-parts business, making items such as brake hoses and batteries, loses billions, Delphi also is an innovative manufacturer of highly profitable, highly technological products.

The welding process can be used in manufacturing heavy load-bearing structures, mobile medical products and automobiles because of its ability to handle tube-to-tube and tubeto-sheet welding.

"Delphi will be in a stronger position to provide innovative joining and structural solutions to a broader set of customers." said Jayson Pankin, Delphi's new venture creation specialist.

Contact JASON ROBERSON at 313-222-8763 or jroberson@freepress.com.

Automation Alley Technology Center Collaborates To Bring Automotive Innovations To New Markets, Segments

TROY, Mich., Aug. 23 /PRNewswire/ -- The Automation Alley Technology Center, in conjunction with Southeast Michigan's business community, is working to commercialize a wide variety of automotive spin-off technologies with potential for growth in non-traditional markets. The range of support and resources offered by the Technology Center, including seed funding, business plan development and a network of knowledgeable mentors and experts, is resulting in a number of benefits for the automotive business community, including the potential for significant economic expansion.

Following a Tri-Corridor Commercialization award of \$1 million from the Michigan Economic Development Corporation and Technology Center support in the form of \$100,000 in seed funding and business development assistance, Delphi SpaceForm, which is commercializing applications of Deformation Resistance Welding (DRW) technology, established its corporate headquarters at TechTown, Detroit's research and development park. Delphi, in collaboration with SpaceForm, has been developing DRW under multi-year, multi-million dollar grants from National Aeronautics and Space Administration (NASA), provided through the Michigan Research Institute. grants will further the development of DRW, a process that enables designers and engineers to reduce part count and cost without sacrificing structural integrity or rigidity through using tubed sheet metal instead of stampings. addition to benefiting the automotive industry, DRW has potential for application in new markets and segments, including aerospace and medical equipment.

"The automotive industry faces a global economic challenge in regards to profitability and competitiveness," senior director, Automation Alley, Tom Anderson, director, Automation Alley Technology Center and interim "Through chairman, SpaceForm. introducing automotive technology to non- automotive markets, the industry has an opportunity to re-focus, expand its reach and achieve significant financial growth."

"The support of the Automation Alley Technology Center is a key catalyst for us," said Jayson Pankin, new venture creation specialist, Delphi Technologies, Inc. "Together, we are developing and implementing business strategies that may result in far-reaching benefits for the automotive community and the State of Michigan at-large."

SpaceForm was recently awarded the 2006 Michigan Corporate Partnership Award, which honors partnerships between Michigan companies and local individuals or groups benefiting the technology community.

The Automation Alley Technology Center and Delphi Technologies are currently collaborating on additional products with potential application outside the automotive industry.

About Automation Alley

Automation Alley drives the growth and image Southeast Michigan's technology economy through а collaborative culture that focuses workforce on and business development initiatives.

More than 630 businesses, educational institutions and government entities belong to Automation Alley, covering an eight county area and the City of Detroit. Automation Alley promotes regional prosperity through the Automation Alley International Business Center, which provides services attraction and exporting assistance; Automation Alley Technology Center, which brings together businesses, educators and government to help entrepreneurs accelerate technology commercialization; and the GLIMA Network, a state-wide association for individuals engaged and involved in technology-oriented For more information, visit http://www.automationalley.com SOURCE Automation Alley

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Recipient of Adams Entrepreneur Fellowship Announced

Wayne State University's School of Business Administration has announced the selection of Antonio Lück as recipient of the Adams Entrepreneur Fellowship.

The School of Business Administration received a generous grant in support of the Adams Entrepreneur Fellowship through The Community Foundation for Southeast Michigan, an independent, nonprofit organization governed by a board of 50 volunteer civic leaders. The grant provides the Adams Fellow compensation and a benefits package for a one-year period.

Administered by School of Business Administration Executive-in-Residence Terry Cross, the Wayne State program selected Lück as Adams Fellow to work with an entrepreneurial venture for one year. The award recipient not only assists in managing an entrepreneur-established firm but also participates in the assessment of new ventures. Twelve applicants competed for the fellowship.



Antonio Lück will be mentored by Jayson D. Pankin, new venture creation specialist for Delphi Technologies, Inc. As Adams Entrepreneur Fellow, Lück will assist in the creation and execution of startup business plans for possible spinouts from Delphi in "disruptive technologies." Disruptive technology (or disruptive innovation) is a technological innovation, product, or service that eventually overturns the existing

dominant technology or product in the marketplace. It is anticipated that Lück will participate in two disruptive technology areas – smart antennas and low cost/high function infrared detection sensors.

Antonio Lück was born in Brazil and received degrees from universities in his home country in two disciplines – law (Faculdade De Direito Curitiba) and civil engineering (Universidade Federal Paraná). He is a certified engineer and a licensed lawyer in Brazil and has been serving as an advisor to the president of Universidade Tuiuti do Paraná for more than five years.

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Dean's List for Spring-Su 2006 Announced Lück is enrolled in the MBA program at Wayne State University's School of Business Administration with a concentration in Finance and International Business. During the 2006 E2Detroit Conference competition this fall, his team developed a business plan and created a marketable product that won second place and the title "exceptional entrepreneur." Lück speaks English, Portuguese, Spanish, and German and has extensive entrepreneurial work experience in Brazil.

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